

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00614-120001	Application No. 09/841,471
Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small>		Applicant Patrizio Vinciarelli et al.		
		Filing Date April 24, 2001	Group Art Unit 2836	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2,622,780	12/23/52	Ackerman			
	AB	3,071,854	01/08/63	Pighini			
	AC	3,391,547	07/09/68	Kingston			
	AD	3,429,040	02/25/69	Miller			
	AE	3,520,337	07/14/70	Irland et al.			
	AF	3,621,338	11/16/71	Rogers et al.			
	AG	3,683,241	08/08/72	Duncan			
	AH	3,737,729	06/05/73	Carney			
	AI	3,766,440	10/16/73	Baird			
	AJ	3,769,702	11/06/73	Scarbrough			
	AK	3,900,770	08/19/75	Kaufman			
	AL	4,156,148	05/22/79	Kaufman			
	AM	4,196,411	04/01/80	Kaufman			
	AN	4,215,235	07/29/80	Kaufman			
	AO	4,218,724	08/19/80	Kaufman			
	AP	4,250,481	02/10/81	Kaufman			
	AQ	4,257,091	03/17/81	Kaufman			
	AR	4,266,140	05/05/81	Kaufman			
	AS	4,267,866	05/19/81	Larsson et al.			
	AT	4,278,990	07/14/81	Fichot			
	AU	4,315,175	02/09/82	Hamilton			
	AV	4,394,530	07/19/83	Kaufman			
	AW	4,400,762	08/23/83	Bartley et al.			
	AX	4,417,296	11/22/83	Schelhorn			
	AY	4,446,896	05/08/84	Campagna			
	AZ	4,449,165	05/15/84	Kaufman			
	AAA	4,449,292	05/22/84	Kaufman			

Examiner Signature	Date Considered
<i>Boris Benenson</i>	8. 27. 03
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	4,488,202	12/11/84	Kaufman			
	ACC	4,498,120	02/05/85	Kaufman			
	ADD	4,531,145	07/23/85	Wiech, Jr.			
	AEE	4,546,410	10/08/85	Kaufman			
	AFF	4,546,411	10/08/85	Kaufman			
	AGG	4,551,746	11/05/85	Gilbert et al.			
	AHH	4,551,747	11/05/85	Gilbert et al.			
	AII	4,554,613	11/19/85	Kaufman			
	AJJ	4,574,162	03/04/86	Kaufman			
	AKK	4,577,387	03/25/86	Kaufman			
	ALL	4,648,432	03/10/87	Mechalas			
	AMM	4,649,461	03/10/87	Matsuta			
	ANN	4,650,107	03/17/87	Keser			
	AOO	4,691,265	09/01/87	Calver et al.			
	APP	4,724,283	02/09/88	Shimada et al.			
	AQQ	4,724,514	02/09/88	Kaufman			
	ARR	4,736,520	04/12/88	Morris			
	ASS	4,740,414	04/26/88	Shaheen			
	ATT	4,750,089	06/07/88	Derryberry et al.			
	AUU	4,750,092	06/07/88	Werther			
	AVV	4,769,525	09/06/88	Leatham			
	AWW	4,783,695	11/09/88	Eichelberger et al.			
	AXX	4,783,697	11/08/88	Benenati et al.			
	AYY	4,793,543	12/27/88	Gainey et al.			
	AZZ	4,823,235	04/18/89	Suzuki et al.			
	AAAA	4,840,286	06/20/89	Herberling et al.			
	ABBB	4,847,136	07/11/89	Lo			

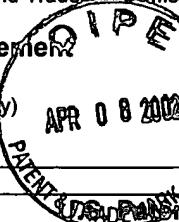
Examiner Signature <i>Doris Benenati</i>	Date Considered <i>8-27-01</i>
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		APR 08 2002 Filing Date April 24, 2001	Group Art Unit 2836

Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	4,872,081	10/03/89	Murphy et al.			
	ADDD	4,879,630	11/07/89	Boucard et al.			
	AEEE	4,880,039	11/14/89	Horak			
	AFFF	4,899,257	02/06/90	Yamamoto			
	AGGG	4,918,811	04/24/90	Eichelberger et al.			
	AHHH	4,953,005	08/28/90	Carlson et al.			
	AIII	4,985,097	01/15/91	Matsumura et al.			
	AJJJ	4,990,490	02/05/91	Pathare et al.			
	AKKK	4,994,215	02/19/91	Wiech Jr.			
	ALLL	4,996,116	02/26/91	Webster et al.			
	AMMM	5,001,603	03/19/91	Villaneuva III et al.			
	ANNN	5,006,673	04/09/91	Freyman et al.			
	AOOO	5,019,941	05/28/91	Craft			
	APPP	5,019,946	05/28/91	Eichelberger et al.			
	AQQQ	5,028,987	07/02/91	Neugebauer et al.			
	ARRR	5,111,362	05/05/92	Flamm et al.			
	ASSS	5,148,841	09/22/92	Graffin			
	ATTT	5,176,309	01/05/93	Horiguchi et al.			
	AUUU	5,182,545	01/26/93	Goekler et al.			
	AVVV	5,206,986	05/04/93	Arai et al.			
	AWWW	5,216,279	06/01/93	Nakao			
	AXXX	5,258,888	11/02/93	Korinsky			
	AYYY	5,271,548	12/21/93	Maiwald			
	AZZZ	5,280,850	01/25/94	Horiguchi et al.			
	AAAAAA	5,296,735	03/22/94	Fukunaga			
	BBBBBB	5,324,890	06/28/94	Lawlyes			
	ACCCC	5,328,751	07/12/94	Komorita et al.			

Examiner Signature <i>harry benenson</i>	Date Considered <i>8.21.03</i>
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Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ADDDD	5,365,403	11/15/94	Vinciarelli et al.			
	AEEEE	5,372,295	12/13/94	Abe et al.			
	AFFFF	5,375,322	12/27/94	Leeb			
	AGGGG	5,447,267	09/05/95	Sakai et al.			
	AHHHH	5,526,234	06/11/96	Vinciarelli et al.			
	AIIII	5,644,103	07/01/97	Pullen et al.			
	AJJJJ	5,663,869	09/02/97	Vinciarelli et al.			
	AKKKK	5,720,324	02/24/98	Vinciarelli			
	ALLLL	5,722,467	03/03/98	Vinciarelli			
	AMMM	5,778,526	07/14/98	Vinciarelli et al.			
	ANNNN	5,808,358	09/15/98	Vinciarelli et al.			
	AOOOO	5,876,859	03/02/99	Saxelby, Jr. et al.			
	APPPP	5,906,310	05/25/99	Vinciarelli et al.			
	AQQQQ	5,911,356	06/15/99	Tsurusaki			
	ARRRR	5,929,510	07/27/99	Geller, et al.			
	ASSSS						
	ATTTT						
	AUUUU						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AVVVV	2,133,392	04/07/95	Canada			
	AWWW	0 141 531	05/15/85	EPO			
	AXXXX	0 141 582	05/15/85	EPO			
	AYYYY	0 264 122 A2	04/20/88	EPO			
	AZZZZ	0 577 484 A1	01/05/94	EPO			
	AAAAA	2 302 179	09/24/76	France			
	ABBBB	1 127 179	04/05/62	Germany			

Examiner Signature <i>Bohr Rosenberg</i>	Date Considered <i>8.23.02</i>
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		Filing Date April 24, 2001	Group Art Unit 2836

Foreign Patent Document Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	ACCCC	28 40 514	03/22/79	Germany			
	ADDDD	33 23 604	01/03/85	Germany			
	AEEEEEE	3804674 A1	08/24/89	Germany			
	AFFFFF	50-103452	08/15/75	Japan			
	AGGGG	51-9459	03/26/76	Japan			
	AHHHH	52-11769	01/28/77	Japan			
	AIIII	54-08462	01/22/79	Japan			
	AJJJJ	56-001312	01/09/81	Japan			
	AKKKK	57-053948	03/31/82	Japan			
	ALLLL	57-190768	11/24/82	Japan			
	MMMM	59-9014	01/18/84	Japan			
	ANNNN	59-9015	01/18/84	Japan			
	AOOOO	60-260192	12/23/85	Japan			
	APPPP	61-156791	07/16/86	Japan			
	AQQQQ	61-177762	08/09/86	Japan			
	ARRRR	63-119242	05/23/88	Japan			
	ASSSSS	63-114095	07/22/88	Japan			
	ATTTT	63-273398	11/10/88	Japan			
	AUUUU	1-267009	10/24/89	Japan			
	AVVVV	1-161892	06/26/89	Japan			
	WWW	2-192792	07/30/90	Japan			
	AXXXX	4-83367	03/17/92	Japan			
	AYYYY	4-287396	10/12/92	Japan			
	AZZZZ	4-346260	12/02/92	Japan			
	AAAAA	5-129515	05/25/93	Japan			
	BBBBB	5-347475	12/27/93	Japan			
	CCCCC	6-48851	02/22/94	Japan			

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		Filing Date April 24, 2001	Group Art Unit 2836	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DDDDDD	6-23534	02/01/94	Japan				
	AEEEEEE	6-90083	03/29/94	Japan				
	AFFFFF	7-202475	08/04/95	Japan				
	GGGGGG	7-254781	10/3/95	Japan				
	HHHHHH	491 733	07/31/70	Switzerland				
W	AIIIIII	2 241 465	09/04/91	United Kingdom			TECHNICAL	
W	AJJJJJJ	2 248 345	04/01/92	United Kingdom			APR -3 2001	RECEIVED
	KKKKKK	WO 90/15709	12/27/90	WIPO				
	ALLLLL	WO 94/03038	02/03/94	WIPO				
	MMMM							
W	NNNNN							APR 28 2001

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	OOOOO	Gates and Yokoro, "Sealed Chip-On Board Circuit Protection", 3rd International SAMPE Electronics Conference, Jun. 20-22, 1989, pp. 929-938.
W	APPPP	Sevgin Oktay, High Heat From A Small Package, Mechanical Engineering , March 1986, pp. 36-42.
W	QQQQQ	Tummala, Microelectronics Packaging Handbook, Van Nostrand 1989, pp.212-214.
	RRRRR	
W	ASSSSS	

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